

ABSTRACT OF THE DISCLOSURE

An image-production system includes a marking engine. The image-forming production system may also include an inserter. The marking engine includes a marking engine controller, a speed adjust system and a registration system. The registration system aligns sheets going to an imaging unit. The speed adjust system controller includes a speed adjust system controller. When at least one sheet approaches the speed adjust system, the marking engine controller transmits a synch pulse signal to the speed adjust system controller. The speed adjust system transmits a signal to the speed adjust system controller of the arrival time of the at least one sheet. The speed adjust system compares the measured arrival time with the synch pulse signal to adjust a speed and timing of the sheet before the sheet is transferred to the registration system.